

> d his

(FILE 'HOME' ENTERED AT 08:04:45 ON 20 JUN 2003)

FILE 'BIOSIS' ENTERED AT 08:05:03 ON 20 JUN 2003

L1 613 S FTSZ  
L2 11351 S BINDING ASSAY  
L3 1 S ANTIBMICROBIAL?  
L4 36716 S ANTIMICROBIAL?  
L5 1 S L1 AND L2  
L6 568971 S BINDING  
L7 100 S L1 AND L6  
L8 510882 S OOMYCOT? OR OOMYCETE? OR PHYTOPHTORA OR ALGA? OR FUNG?  
L9 29 S L8 AND L1

FILE 'CAPLUS, MEDLINE' ENTERED AT 08:11:05 ON 20 JUN 2003

L10 294 S L7  
L11 2 S L5  
L12 44 S L9  
L13 29 DUPLICATE REMOVE L12 (15 DUPLICATES REMOVED)

=> save

ENTER L#, L# RANGE, ALL, OR (END):all

ENTER NAME OR (END):nv1/l

L# LIST L1-L13 HAS BEEN SAVED AS 'NV1/L'

AUTHOR(S): OTTOLENGHI A C; AYALA J A  
CORPORATE SOURCE: DEP. MED. MICROBIOL. AND IMMUNOL., OHIO STATE UNIV. COLL.  
MED., COLUMBUS, OHIO 43210.  
SOURCE: ANTIMICROB AGENTS CHEMOTHER, (1991) 35 (11), 2359-2365.  
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FILE SEGMENT: BA; OLD  
LANGUAGE: English

AB A possible connection between septation/division and induction of cloned  
ampC .beta.-lactamase was investigated. When a ftsZ84(Ts) mutant of  
Escherichia coli carrying ampR-ampC from Citrobacter freundii was grown at  
the restrictive temperature (42.degree. C), induction of .beta.-lactamase  
by cefoxitin was inhibited by about 80%. Inhibition was virtually complete  
when a ftsZ84(Ts) mutant of different genetic background was tested.  
Although somewhat delayed, the induction of .beta.-lactamase in  
transformed ftsA(Ts) and ftsQ(Ts) mutants was similar to that observed in  
wild-type transformants. These results imply that **FtsZ** is  
involved in the process of .beta.-lactamase induction.

=> d his

(FILE 'HOME' ENTERED AT 10:27:13 ON 20 JUN 2003)

FILE 'BIOSIS, CAPLUS, MEDLINE' ENTERED AT 10:27:34 ON 20 JUN 2003

L1 1785 S FTSZ  
L2 114787 S BINDING ASSAY OR LIGAND BIND? OR DRUG SCREEN?  
L3 18 S L1 AND L2  
L4 16 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 10:30:47 ON 20 JUN 2003

FILE 'BIOSIS, CAPLUS' ENTERED AT 10:36:41 ON 20 JUN 2003

FILE 'STNGUIDE' ENTERED AT 10:36:42 ON 20 JUN 2003

L5 1 S DRUG DESIGN OR ANTIBACTER? OR ANTIMICROBIAL? OR ANTIFUNG?

FILE 'BIOSIS, CAPLUS, MEDLINE' ENTERED AT 10:43:54 ON 20 JUN 2003

L6 399050 S L5  
L7 31 S L6 AND L1  
L8 28 DUPLICATE REMOVE L7 BIOSIS (3 DUPLICATES REMOVED)  
L9 28 DUPLICATE REMOVE L7 (3 DUPLICATES REMOVED)

=>

> s ftsz

L5 1785 FTSZ

=> s binding assay

L6 30002 BINDING ASSAY

=> s l5 and l6

L7 3 L5 AND L6

=> d l7 ibib abs 1-3

> d his

(FILE 'HOME' ENTERED AT 14:37:42 ON 23 JUN 2003)

L1 FILE 'BIOSIS, MEDLINE, CAPLUS' ENTERED AT 14:38:21 ON 23 JUN 2003  
87 S RATIONAL DRUG DISCOVERY

L2 FILE 'BIOSIS' ENTERED AT 14:39:40 ON 23 JUN 2003  
20 S L1

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